



## **STANDARD BRAZED PLATE**

## **HEAT EXCHANGER**

## **QUICK SELECTION GUIDE**

### **CONTENTS:**

Radiant Floor Heating - Boiler	page 2
Radiant Floor Heating - Water Heater	page 2
Domestic Hot Water	page 3
Snow Melt	page 3

**RADIANT FLOOR HEATING - BOILER**

Boiler side: 180°F -> 160°F  
 Radiant floor side: 100°F -> 120°F

Model	BTU/hr	Boiler Side		Radiant Floor Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	50,000	5.2	5.9	5.0	4.2
BT3x8-16	60,000	6.2	8.4	6.1	5.8
BT3x8-20	75,000	7.7	3.2	7.5	3.0
BT3x8-20	100,000	10.3	5.2	10.1	4.8
BT3x8-20	125,000	12.9	7.8	12.6	6.7
BT3x8-26	150,000	15.5	5.3	15.2	5.0
BT3x8-30	175,000	18.0	7.0	17.7	6.5
BT3x8-30	200,000	20.6	5.8	20.2	5.6
BT4x12-20	225,000	23.2	7.4	22.7	6.9
BT4x12-20	250,000	25.8	3.5	25.2	3.2
BT4x12-20	275,000	28.3	4.0	27.8	3.6
BT4x12-30	300,000	30.9	4.9	30.3	4.5
BT4x12-30	350,000	36.1	6.3	35.3	5.5
BT4x12-40	400,000	41.7	5.5	40.4	5.2
BT4x12-40	450,000	46.4	6.4	45.4	6.0
BT5x12-50	500,000	51.5	7.3	50.5	7.2
BT5X12-60	675,000	69.5	8.3	68.5	7.9
BT5X12-70	825,000	84.5	8.9	83.8	8.6

Larger Models Available

**RADIANT FLOOR HEATING - HOT WATER HEATER**

Hot water heater side: 140°F -> 120°F  
 Radiant floor side: 80°F -> 100°F

Model	BTU/hr	Hot Water Heater		Radiant Floor Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	25,000	2.5	1.0	2.5	0.6
BT3x8-10	50,000	5.0	3.8	5.0	2.5
BT3x8-16	75,000	7.6	4.0	7.6	3.0
BT3x8-16	100,000	10.0	3.4	10.0	3.0
BT3x8-20	125,000	12.6	4.8	12.6	4.6
BT3X8-26	150,000	15.2	5.6	15.2	5.0
BT4X12-20	200,000	20.2	3.2	20.0	3.0
BT4X12-30	250,000	25.4	3.8	25.2	3.6
BT4X12-30	300,000	30.9	4.5	30.7	4.2
BT4X12-40	350,000	36.4	5.9	36.2	5.6
BT4X12-40	400,000	40.7	6.2	40.3	5.9
BT4X12-50	500,000	50.8	7.4	50.3	7.1

Larger Models Available

## DOMESTIC HOT WATER

Hot water heater side: 200°F -> 140°F

Domestic water side: 50°F -> 140°F

Model	BTU/hr	Boiler Side		Domestic Hot Water	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	25,000	1.2	0.5	0.6	0.1
BT3x8-16	50,000	2.2	1.2	1.1	0.2
BT3x8-16	75,000	3.5	1.4	1.7	0.4
BT3x8-20	100,000	4.5	1.9	2.2	0.8
BT3x8-20	125,000	5.7	2.1	2.8	0.9
BT3x8-20	150,000	6.3	2.4	3.3	0.9
BT3x8-30	200,000	8.3	2.4	4.4	0.8
BT4x12-20	250,000	10.2	2.7	5.6	0.9
BT4x12-20	300,000	12.3	3.9	6.7	1.2
BT4x12-20	350,000	14.4	4.2	7.8	1.4
BT4x12-30	400,000	16.4	4.7	8.9	1.5
BT4x12-30	500,000	20.5	7.4	11.1	2.1
BT4x12-40	600,000	24.7	6.5	13.3	2.1
BT4x12-40	700,000	28.8	7.8	15.6	2.7
BT4x12-50	800,000	33.1	7.0	17.9	2.5
BT5x12-50	900,000	37.2	8.6	20.1	3.1
BT5x12-70	1,000,000	41.4	9.5	22.3	2.3

Larger Models Available

## SNOW MELT APPLICATIONS

Boiler side: 180°F -> 150°F

Snow melt side: 100°F -> 130°F - 40% Propylene Glycol

Model	BTU/hr	Boiler Side		Snow Melt Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-16	50,000	4.6	4.7	4.4	4.8
BT3x8-20	75,000	5.2	4.7	5.4	3.8
BT3x8-20	100,000	6.9	4.9	7.0	3.7
BT3x8-20	125,000	8.3	4.9	8.9	4.2
BT3x8-30	150,000	9.9	4.9	10.5	3.4
BT3x8-40	200,000	13.7	5.0	14.3	3.9
BT3X8-40	225,000	15.3	5.0	16.1	4.6
BT4X12-20	250,000	17.1	4.3	17.8	4.9
BT4X12-30	300,000	19.6	5.1	20.7	5.8
BT4X12-40	400,000	26.9	5.3	28.0	6.1
BT5X12-50	500,000	32.8	5.8	35.7	6.5
BT5X12-60	600,000	40.9	6.2	43.3	8.5
BT5X12-70	700,000	47.0	6.8	49.2	9.2

Larger Models Available